Math 124 End of Week 2 Newsletter

UPCOMING SCHEDULE:

Friday: Section 2.5/2.6 (Continuity, then Limits at Infinity)
Monday: Section 2.7 (The derivative at a point)
Tuesday: Graphs of f(x) and f'(x) worksheet:
https://www.math.washington.edu/~m124/source/worksheets/aut_ws3.pdf
Wednesday: Section 2.8 (The derivative function)
Thursday: Homework discussion and test prep (bring homework questions!)
Friday: Section 3.1 (Derivative Rules)

WORKSHEET 2 (from last Tuesday's quiz section) has solutions posted here:
https://www.math.washington.edu/~m124/source/worksheets/aut_ws2sol.pdf

HOMEWORK:

Closing Friday (Today) at 11:00pm: hw02S2.1, hw03S2.2, hw04S2.3
Closing Tuesday: hw05S2.5-6
Closing next Friday: hw06S2.7, hw07S2.7-8

PREVIOUS HOMEWORK STATS: hw01S10.1: median score = 100%, median time browser open = 230 minutes

NEW POSTINGS: Remember the course website is here:
https://sites.math.washington.edu/~aloveles/Math124Fall2017/index.html

1. **Week 2 Overview** (contains a basic review for 2.3, 2.5, and 2.6).
https://sites.math.washington.edu/~aloveles/Math124Fall2017/m124week2review-without2-4.pdf
2. **Visual Review of some of the functions and limits you should know** (the most commonly forgotten ones):
https://sites.math.washington.edu/~aloveles/Math124Fall2017/m124%20Functions%20And%20Limits.pdf
3. **A summary of our limit strategies:**
https://sites.math.washington.edu/~aloveles/Math124Fall2017/Limit%20Strategies.pdf
4. **Practice with continuity and multipart functions** (we often have exam questions like these, try these out; solutions are included):
https://sites.math.washington.edu/~aloveles/Math124Fall2017/m124ContinuityPractice.pdf

OLD EXAMS:

Remember, the departmental exam archive is here: https://www.math.washington.edu/~m124/SampleMid1.php and my additional exam archive here:
https://sites.math.washington.edu/~aloveles/Math124Fall2017/LovelessExamArchive.html

Here are some limit problems (2.3) from old midterms:

Problem 1ab: https://www.math.washington.edu/~aloveles/Math124Winter2017/m124w13e1.pdf
Problem 1: https://www.math.washington.edu/~m124/source/Exams/Midterm1/mid1w11/midterm1v1.pdf
Problem 1: https://www.math.washington.edu/~m124/source/Exams/Midterm1/2013aut/collingwood.pdf
Problem 1bc: https://www.math.washington.edu/~m124/source/Exams/Midterm1/2013spr/pezzoli.pdf
Problem 1: https://www.math.washington.edu/~m124/source/Exams/Midterm1/2015aut/sylvester.pdf

Here are some continuity problems (2.5) from old midterms:

Problem 5a: https://www.math.washington.edu/~aloveles/Math124Winter2017/m124w16e1.pdf
Problem 5b(i): https://www.math.washington.edu/~aloveles/Math124Winter2017/m124w13e1.pdf
Problem 2a: https://www.math.washington.edu/~m124/source/Exams/Midterm1/mid1w11/midterm1v1.pdf
Problem 2b: https://www.math.washington.edu/~m124/source/Exams/Midterm1/2013spr/pezzoli.pdf
Problem 3: https://www.math.washington.edu/~m124/source/Exams/Midterm1/2015aut/sylvester.pdf

I hope some of this helps. If you find something helpful in these newsletters, please share it with your classmates.

Dr. Andy Loveless